

**AN IMPROVED CUCKOO SEARCH  
ALGORITHM AND ITS APPLICATION IN  
WIRELESS SENSOR NETWORK**

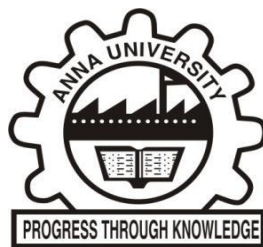
**A THESIS**

*Submitted by*

**ANBUHELIAN S**

*in partial fulfillment of the requirements for the degree of*

**DOCTOR OF PHILOSOPHY**



**FACULTY OF INFORMATION AND  
COMMUNICATION ENGINEERING**

**ANNA UNIVERSITY**

**CHENNAI 600 025**

**SEPTEMBER 2016**